Work Order ID Thursday, August 18, 201							w			Page
Item ID: D3196-3 Revision ID: Item Name: Bar	(	10	Accept				Setup	Start Stop		
Start Date: 8/18/201 Required Date: 8/25/201 Reference:	- ' /			Cust Item I Customer:	D:		•			
Approvals: Process QC:	Plan:	Date://- 8 8/0	Tooling: SPC (Y/N):		nte:	· · · · · · · · · · · · · · · · · · ·	Run	Start Stop		
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Acc Code Qty			Reject Number	Insp. Stamp
	Revision Nbr Rev C				<del> </del>	· · · · · · · · · · · · · · · · · · ·	4.			
Bandsaw Jeaspa Bandsaw	BAND SAW  Memo  Cut blank:	(0.75" x 1.50") x 34.750" I		1/04/02			8	Ø		*
HAAS 1		L MACHINING #1 D3196-3 as per Folio FA3	0.00 0.00 39 and Dwg D3196Identi	ゲ. fy as D3196-3Li2- メ	K. A.	1/09/07	& . ,	&		
120	Deburr  QC2- Inspect parts off i	machine FAI/FAIB	0.00 JL	11/09/06			\ } •	,		
QC	Memo		0.00				/			

Quality Control

#### **Dart Aerospace Ltd**

W/O:			WO	RK ORDER CHAN	GES					
DATE	STEP	PRO	OCEDURE CHAN	IGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
,							<del></del>			
<del></del>										
		경기 1명 1								
Part No	•	PAR #:	Fault Categ	jory:	NCR:	Yes N	o <b>DQ</b> /	<b>\:</b>	Date:	······································
	R	esoļution:	Disposition	):	QA: N/	C Clos	sed:		Date:	
NCR:	Ä		WORK ORDE	R NON-CONFORM	IANCE (I	VCR)				
DATE	STEP	Description of NC			ection B		Verific	ation	Approval	Approval
DAIE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Section		Chief Eng	QC Inspector
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	1	<u>.</u> .								

Page 2

Thursday, August 18, 2011 10:07:08 AM

Item ID:

D3196-3

**Revision ID:** 

Item Name: Bar

Start Date:

8/18/2011

Start Qty: 4.00

Required Date: 8/25/2011

Reg'd Oty: 4.00



Accept



Setup Start

Stop



Cust Item ID:

**Customer:** 

Reference:

Approvals:

Process Plan:

\_\_\_\_ Date:

OC:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run

Start

Stop

Sequence ID/

**Work Center ID** 

130

Quality Control

- Operation Description

QC8- Inspect parts - second check

Memo

Set Up/ **Run Hours** 

mh 11/09/07

**Tool ID** 

Tool # Plan Code

Accept **Qty** 

Reject Qty

Reject Number Stamp

Insp.

0.00

0.00

140

HandFinish

Hand Finishing

Chemical Conversion Coat per OSI005 4.1

0.00

Memo

0.00

8X & mfuloul07

150

Powdercoat

Powder Coating

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00

Memo START TIME:

0.00

LIOVEN TEMPERATURE:

TIFINISH TIME:

8X 8 m-L 11/09/08

W117338

# **Dart Aerospace Ltd**

W/O:			W	ORK ORDER CHA	NGES				
DATE	STEP	PRO	CEDURE CH	ANGE		Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
<del></del>									
Part No		PAR #:	Fault Cat	tegory:	NCR	: Yes N	lo <b>DQA</b> :	Date: _	
	R	esolution:	Dispositi	on:	QA:	N/C Clo	sed:	Date: _	
NCR:		V	VORK ORI	DER NON-CONFOR	RMANCE	(NCR)			
DATE	STEP	Description of NC			Section B		Verification	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Descripti Chief Eng	on	Sign & Date	Section C	Chief Eng	QC Inspector
					, <u>,</u>				

Page 3

Thursday, August 18, 2011 10:07:08 AM

Item ID:

D3196-3

Item Name:

Bar

**Start Date:** 

**Revision ID:** 

8/18/2011

Start Qty: 4.00

Required Date: 8/25/2011

**Req'd Qty:** 4.00



Accept

Run

Setup Start



Stop

**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

**Process Plan:** 

QC:

Operation

Date: Date: Tooling:

SPC (Y/N):

Date:

Date:

Stop

Start



Description QC3- Inspect Part Finish

**Run Hours** 

Set Up/

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Reject **Qty** 

Insp. Number

Stamp

160

Sequence ID/

Work Center ID

Memo

0.00

Quality Control

170

Packaging Packaging

Memo

0.00

180

Quality Control

QC21- Final Inspection - Work Order Release

Identify as per dwg & Stock Location: 57 260.

Memo

0.00

0.00

Dart	Aeros	pace	Ltd
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		— - <del>-</del> -				F-94			
W/O:			W	ORK ORDER CHANG	ES				
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								,	
Part No	:	PAR #:	Fault Cate	egory:	_ NCR: Yes	No <b>DQ</b>	A:	Date: _	
	Re	esolution:	Dispositi	on:	_ QA: N/C C	osed:		Date: _	
NCR:	•	<b>\</b>	WORK ORE	DER NON-CONFORM	ANCE (NCF	₹)			
DATE	STEP	Description of NC	1	ion B	cation	Approval	Approval		
	J	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		ion °C	Chief Eng	QC Inspector
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								:	
				•					
<u></u>									

#### **Picklist Print**

Thursday, August 18, 2011 10:07:14 AM

Work Order ID: 72922

Parent Item:

D3196-3

Parent Item Name: Bar



**Start Date: 8/18/2011** 

Required Date: 8/25/2011

Page 1

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP Rev: A New Issue 05-11-08 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status	
M6061T6B0.750X01.50	1 TEME PM 4-	Purchased	No			100	f	63.5746	2.89	12.16842				



6061-T6 Bar .750 X 1.50

<b>Location</b>	Loc Qty	Loc Code
MAT003	63.5746	
116405	0.4492	
116604	1.5	
116623	1.6254	
<b>1</b> 18182	60	

24.4 and 1/08/02

### **Dart Aerospace Ltd**

W/O:			V	VORK ORDER C	HANGES					
DATE	STEP	PRO	OCEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				,						
, 										
			· · · · · · · · · · · · · · · · · · ·							
Part No	•	PAR #:	Fault Ca	tegory:	NCI	R: Yes	No <b>DQ</b> /	<b>\:</b>	Date:	
	R	esolution:	Disposit	ion:	QA	N/C Cle	osed:		Date: _	
NCR:			WORK OR	DER NON-CONF	ORMANCE	(NCR	)			
DATE	STEP	Description of NC		Corrective Action	Section B	O! 0	Verific	ation	Approval	Approval
	0.2.	Section A	Initial Chief Eng	Action Desci Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector
								·		
							•			
									·	
1						1				

DART AEROSPACE LTD	Work Order:	72922
Description: Bar	Part Number:	D3196-3
Inspection Dwg: D3196 Rev: C		Page 1 of 1

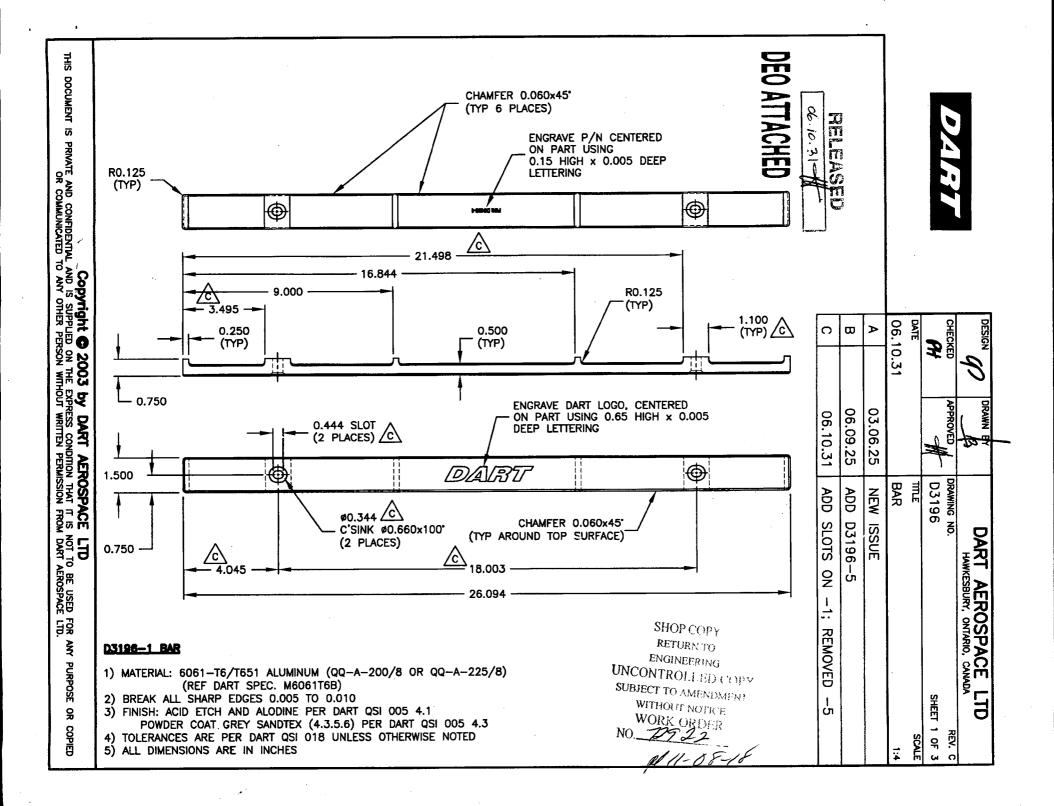
## FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

	<u> </u>			- J I		
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
34.625	+/-0.010	34105			modere	
33.650	+/-0.005	33650			, , , , ,	
0.488	+/-0.005	.488	/		vern 12-3	
17.011	+/-0.010	17.011			mitape	
0.512	+/-0.005	.511			Ve/nJL7	
1.500	+/-0.010	1.501				•
0.464	+/-0.010	-464			л	
0.504	+/-0.010	.504			٠	
Ø0.344	+0.006/-0.001	344			<u> </u>	·
Ø0.660 x 100°	+0.008/-0.001 x 0.5°	.660×100°			~	
0.962	+/-0.005	.962			•	
0.750	+/-0.010	750			'n	
4.750	+/-0.010	4-749				
12.531	+/-0.010	12.531				
16.999	+/-0.010	16-999				
21.844	+/-0.010	21-844				
29.625	+/-0.010	29.625				
0.250	+/-0.010	-251				
1.000	+/-0.010	1.000	/			
R0.125	+/-0.010	.125				
0.987	+/-0.010	.987				
0.060 x 45°	+/-0.010 x 0.5°	.06×45°				

Measured by:	2	Audited by:	and	Prototype Approval:	N/A
Date:	11/09/06	Date:	11/09/07	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	04.04.20	New Issue	KJ/RF	
В	06.10.24	Dwg Rev. updated	KJ/JLM 1.A	
С	07.05.08	Dwg Rev. updated	KJ/JLM OK	
			• ()	//

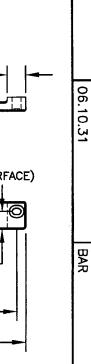


D3196

SHEET

N 윾 DRAWING NO

AEROSPACE SBURY, ONTARIO, CAW



12922

- 29.625 -- 21.844 -RO.125 - 16.999 -(TYP) 12.531 -0.750 0.500 0.987 - 4.750 -(TYP) (TYP) -0.250- 1.000 ENGRAVE DART LOGO IN AREA SHOWN 0.464 SLOT USING 0.65 HIGH x 0.005 DEEP CHAMFER 0.060×45\* (2 PLACES) LETTERING (2 PLACES) (TYP AROUND TOP SURFACE) DAVST DAV377 1.500 0.504 Ø0.344 SLOT 0.962 C'SINK Ø0.660x100" (TYP) (TYP) 0.512 - 33.650 (CENTER TO CENTER) 0.488 (TO CENTER) - 34.625 -

CHAMFER 0.060x45\*

ENGRAVE P/N IN AREA SHOWN USING 0.15 HIGH x 0.005 DEEP

(<del>0</del>)

(TYP 10 PLACES)

**LETTERING** 

D3196-3 BAR

RO.125

(TYP)

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ANY PURPOSE

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COPIED

1) MATERIAL: 6061-T6/T651 ALUMINUM (QQ-A-200/8 OR QQ-A-225/8) (REF DART SPEC. M6061T6B)

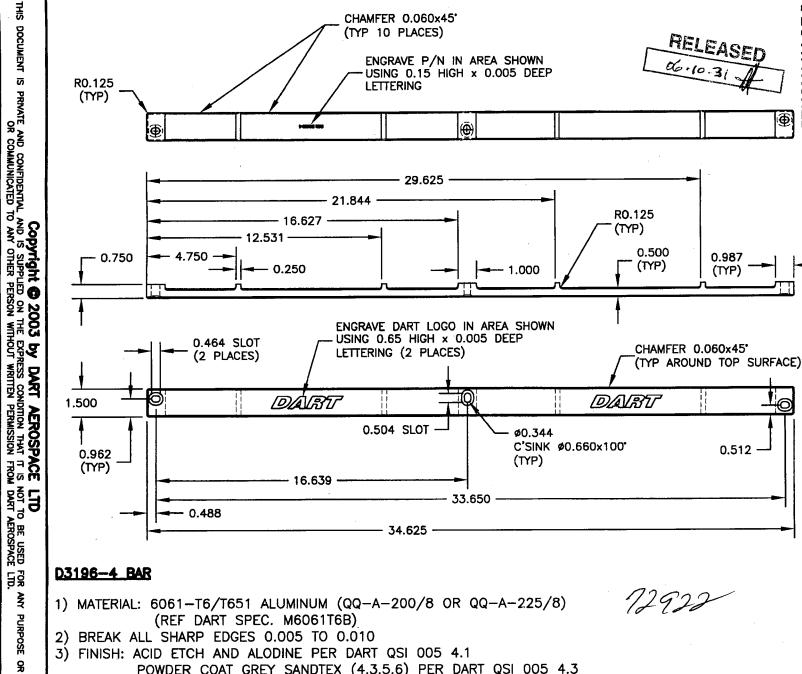
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 3) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1 POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

DEO ATTACHED

0.987

(TYP)

0.512 -

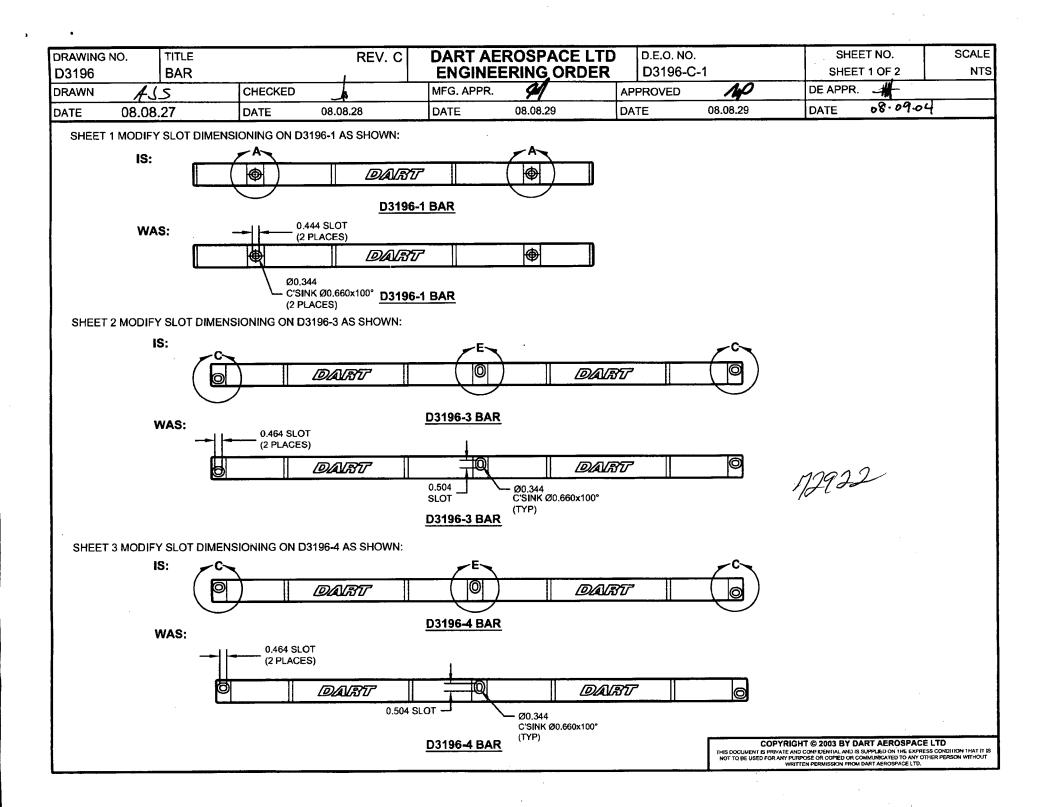


CHECKED 06.10.31 DRAWING NO. BAR RT AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA SHEET Ü OF 3

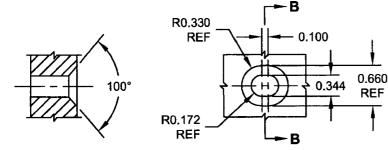
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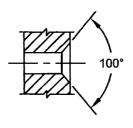
- POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

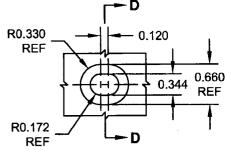
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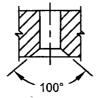


**SECTION B-B** 

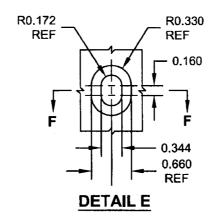
**DETAIL A** 

**SECTION D-D** 

**DETAIL C** 



**SECTION F-F** 





NOTE: THIS CHANGE HAS BEEN DONE TO CLARIFY SLOT DIMENSIONS ONLY. NO CHANGES HAVE BEEN MADE TO THE PARTS SEE NCR 08-051 FOR FURTHER INFORMATION

ALL OTHER INFORMATION REMAINS UNCHANGED

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